

8-12-05

ITW 2811

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF: Wolfgang Clemens et al.
SERIAL NO: 10/517,750 GROUP ART UNIT: 2811
FILED: June 10, 2005 EXAMINER: Not assigned
CUSTOMER NO.: 27162
FOR: Substrate for an Organic Field Effect Transistor, Use of the
Substrate, Method of Increasing the Charge Carrier Mobility and
Organic Field Effect Transistor (OFET)
ATTY DKT NO.: 411000-122

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

SIR:

Pursuant to 37 C.F.R. §1.56(a), Applicant(s) hereby cite(s) the enclosed documents listed on the attached copy of Form PTO-1449 which are believed to be material to the patentability of the above-identified application.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 indicated below:

 X §1.97(b) This Information Disclosure Statement is filed:
(1) Within three months of the filing date of a national application; OR
(2) Within three months of the date of entry of the national stage of an international application; OR
(3) Before the mailing of a first Office Action on the merits. No fee or statement is required.

 §1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

- (1) A Final Action or under 37 CFR §1.113; OR
- (2) A Notice of Allowance under 37 CFR §1.311; AND

is accompanied by either: (check one)

- The statement as specified in 37 CFR §1.97(e) set out below; OR
- The fee of \$180.00 under 37 CFR §1.17(p).

___§1.97(d) This Information Disclosure Statement is filed after the mailing date of either:

- (1) a Final Action or under 37 CFR §1.113; OR
- (2) A Notice of Allowance under 37 CFR §1.311;

BUT filed on or before payment of the Issue Fee; AND
is accompanied by:

- (1) The statement as specified in 37 CFR §1.97(e) as set forth below; AND
- (2) Petition is hereby made under 37 CFR §1.97(d) for consideration of this Information Disclosure Statement; AND,
- (3) The petition fee of \$180.00 set out in 37 CFR §1.17(i).

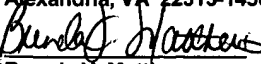
___§1.97(e) The undersigned Attorney hereby states that:

___ each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Information Disclosure Statement;
or

___ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing date of the Information Disclosure Statement.

This Information Disclosure Statement provides a detailed list of the references cited in various pending applications listed in applicant's Disclosure Statements filed January 7, 2005 and May 2, 2005 herewith.

The Commissioner is authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 03-0678.

EXPRESS MAIL CERTIFICATE	
Express Mail Label No. EV440947306 US Deposit Date: August 11, 2005	
I hereby certify that this paper and the attachments hereto are being deposited today with the U.S. Postal Service "Express Mail Post Office To Addressee" service under 37 CFR 1.10 on the date indicated above addressed to: MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
 Brenda V. Matthews	August 11, 2005 Date

Respectfully submitted,
Wolfgang Clemens et al.


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DISCLOSURE STATEMENT UNDER 37 CFR 1.56

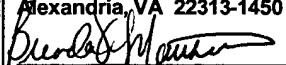
SIR:

This paper is to bring to the attention of the PTO the following copending U.S. applications, all of which are related in different respects to organic electronic devices and/or method of making such devices such as transistors, diodes, integrated circuits and the like. These applications also are generally related to the various applications noted in applicants' Disclosure Statements filed on January 7, 2005 and May 2, 2005. The enclosed PTO 1449 lists additional applications. Many of these applications also have one or more common inventors. It is respectfully requested that the Examiner consider and make of record all of the cited applications listed in the enclosed PT 1449.

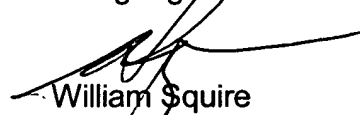
<u>Application No.</u>	<u>Title</u>	<u>Inventors</u>	<u>Atty. Dkt. No.</u>
10/533,756	Organic Electronic Component with High-Resolution Structuring and Process for the Production Thereof	Wolfgang Clemens et al.	411000-128

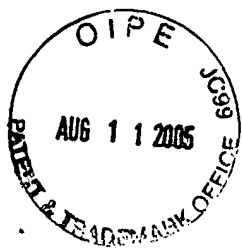
10/534,678	Measuring Apparatus for Determining an Analyte in a Liquid Sample	Wolfgang Clemens et al.	411000-129
10/535,448	Organic Electronic Component Comprising a Patterned, Semiconducting Functional Layer and a Method for Producing Said Component	Wolfgang Clemens et al.	411000-131
10/535,449	Organic Electronic Component Comprising The Same Organic Material For At Least Two Functional Layers	Walter Fix et al.	411000-132
10/344,926	An Electronic Circuit Having An Encapsulated Organic-Electronic Component And A Method Formaking An Encapsulated Organic-Electronic Component	Adolf Bernds et al.	411000-133
10/541,815	Organo-Resistive Memory Unit	Axel Gerlt et al.	411000-136
10/541,956	Board or Substrate for an Organic Electronic Device and Use Thereof	Wolfgang Clemens et al.	411000-137
10/541,957	Organic Field Effect Transistor And Integrated Circuit	Walter Fix et al.	411000-138
10/543,561	Organic Storage Component And Corresponding Triggering Circuit	Wolfgang Clemens et al.	411000.139
10/542,678	Organic Electronic Component And Method For Producing Organic Electronic Devices	Adolf Bernds et al.	411000.140
10/542,679	Use Of Conductive Carbon Black/Graphite Mixtures For The Productionof Low-Cost Electronics	Adolf Bernds et al.	411000.141

The Commissioner is authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 03-0678.

EXPRESS MAIL CERTIFICATE	
Express Mail Label No. EV 440947306 US Deposit Date: August 11, 2005	
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PTO/SB/08a
(08-03)Approved for use through 07/31/2006. OMB 0651-0031
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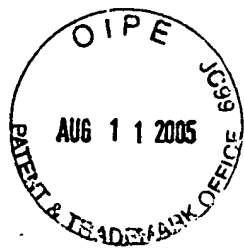
Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/517,750		
		Filing Date	June 10, 2005		
		First Named Inventor	Wolfgang Clemens		
		Group Art Unit	2811		
		Examiner Name	Unassigned		
Sheet	1		1	Attorney Docket Number	411000-122

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. ¹	Document Number Number-Kid Code ² (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	128	10/533,756	N/A	Wolfgang Clemens et al	
	129	10/535,448	N/A	Wolfgang Clemens et al	
	131	10/535,448	N/A	W. Clemens et al.	
	132	10/535,449	N/A	Walter Fix et al.	
	133	US-10/344,926	02/12/2004	Adolf Bernds et al.	
	136	US-10/541,815	N/A	Axel Gerlt et al.	
	137	US-10/541,956	N/A	Wolfgang Clemens et al.	
	138	US10/541,957	N/A	Walter Fix et al.	
	138	US-10/543,561	N/A	Wolfgang Clemens et al.	
	140	US-10/542,678	N/A	Adolf Bernds et al.	
	141	US-10/542,679	N/A	Adolf Bernds et al.	
Examiner Signature			Date Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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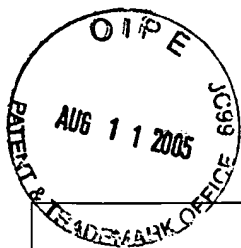
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/517,750
				Filing Date	June 10, 2005
				First Named Inventor	Wolfgang Clemens et al.
				Group Art Unit	2811
				Examiner Name	Unassigned
				Attorney Docket Number	411000.122
Sheet	1	Of	5		

Examiner Initial*	Cite No. ¹	Document Number Number-Kid Code ² (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2002/0053320	05-09-2002	Duthaler	
		US-2002/0056839	05-16-2002	Joo et al.	
		US-2002/0068392	06-06-2002	Lee et al.	
		US-2002/0130042	09-19-2002	Stiene	
		US-2002/0170897	11-21-2002	Hall	
		US-2002/0195644	12-26-2002	Dodabalapur et al.	
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		US-2004/0002176	0101-2004	Xu	
		US-3,512,052	12-12-1970	MacIver et al.	
		US-3,955,098	05-04-1976	Kawamoto	
		US-4,302,648	11-24-1981	Sado et al.	
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		US-5,173,835	12-22-1992	Cornett et al.	
		US-5,259,926	11-09-1993	Kuwabara et al.	
		US-5,395,504	03-07-1995	Hoffman et al.	
		US-5,502,396	03/26/1996	Desarzens	
		US-5,569,879	10-29-1996	Gloton et al.	
		US-5,580,794	12-03-1996	Allen	
		US-5,629,530	05-13-1997	Brown et al.	
		US-5,630,986	05-20-1997	Miller	
		US-5,729,428	03-17-1998	Sakata et al.	
		US-5,869,972	02-09-1999	Birch et al.	
		US-5,946,551	08-31-1999	Dimitrakopoulos	
		US-5,994,773	11-30-1999	Hirakawa	



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

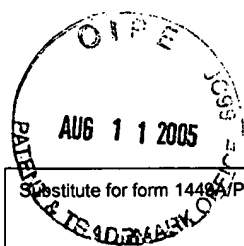
Complete if Known

Sheet	2	Of	5	Attorney Docket Number	411000.122
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U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,997,817	12-07-1999	Crismore et al.	
		US-6,036,919	03-14-2000	Thym et al.	
		US-6,045,977	04-04-2000	Chandross et al.	
		US-6,060,338	05-09-2000	Tanaka et al.	
		US-6,300,141	10-09-2001	Segal et al.	
		US-6,852,583	02-08-2005	Bernds et al.	
		US-6,903,958	06-07-2005	Bernds et al.	

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		DE 100 45 192	04-04-2002	Siemens AG		
		DE 100 47 171	04-18-2002	Siemens AG		
		DE 100 58 559	05-29-2002	Interactive Biotech.		
		DE 101 20 687	10-31-2002	Siemens AG		
		DE 102 19 905	12-04-2003	Osram Opto Semicond.		
		DE 198 52 312 (title page only)	05-20-1999	Nintendo Co.		
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		DE 33 38 597 r	05-02-1985	GAO Gesellschaft		
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		EP 0 128 529	12-19-1984	BASF		
		EP 0 268 370 A2	05-25-1988	Canon Kabushiki Kaisha		X
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		EP 0 350 179	01-10-1990	W & T Avery Ltd.		X
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		EP 1 104 035 A2	05-30-2001	Lucent Technologies		X
		EP 1 134 694	09-19-2001	Infineon Technologies		



Substitute for form 1449/PTO

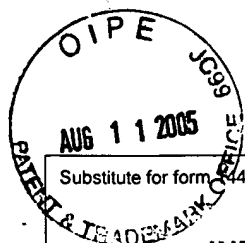
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Application Number	10/517,750
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First Named Inventor	Wolfgang Clemens
Group Art Unit	2811
Examiner Name	Unassigned
Attorney Docket Number	411000.122

Sheet	3	Of	5
	EP 1 318 084	06-11-2003	Nippon Sanso Corp.
	GB 2 058 462	04-08-1981	Shin-Etsu Polymer Co.
	GB 723,598	02-09-1955	N V Phillips Gloeilampenfabrieken
	JP 05347422 (abstract)	12-27-1993	Fujitsu Ltd.
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	JP 54069392 (abstract)	06-04-1979	NEC Corp.
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	WO 95/06240	03-02-1995	Metrika Laboratories
	WO 97/12349	04-03-1997	De Rivaz et al.
	WO 98/18156	04-30-1998	Steag Microtech
	WO 98/18156 (abstract)	04-30-1998	Steag Microtech
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	WO 99/40631	08-12-1999	Opticom USA
	WO 99/54936	10-28-1999	Cambridge Display
	WO 99/54936 (Corrected Version)	10-28-1999	Cambridge Display
	WO 99/66540	12-23-1999	Opticom ASA
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	WO 01/06442	01-25-2001	Yip
	WO 01/17029	03-08-2001	E Ink Corp.
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	WO 02/076924	10-03-2002	Nisshinbo Industries
	WO 02/091495	11-14-2002	Coatue Corp.
	WO 02/099907	12-12-2002	Siemens
	WO 02/099907 (abstract)	12-12-2002	Siemens
	WO 02/099908	12-12-2002	Siemens AK



Substitute for form 449A/PTO

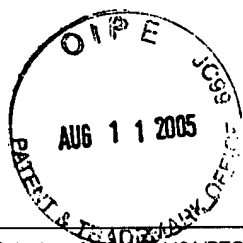
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Sheet	4	Of	5	Attorney Docket Number	411000.122
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		WO 02/099908	12-12-2002	Siemens AK		
		WO 02/15264	02-21-2002	Siemens AK		
		WO 02/29912	04-11-2002	Cambridge University		X
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		WO 03/046922	06-05-2003	Infineon Technologies		
		WO 03/067680	08-14-2003	Canon Kabushiki Kaisha		X
		WO 03/069552	08-21-2003	Rafsec Oy		X
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		WO 2004/032257	04-15-2004	Leonhard Kurz GmbH		
		WO 2004/042837 (title page only) abstract	05-21-2004	Siemens AK		X
		WO 2004/047144 A3	06-03-2004	Siemens		
		WO 2004/047144 A3 (abstract)	06-03-2004	Siemens		X
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		WO 2004/7194 A2 (abstract)	06-03-2004	Siemens		X
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		WO 2004/7194 A3 (abstract)	06-03-2004	Siemens		X
		WO 2004/083859	09-30-2004	Platform Diagnostics		



Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/517,750
				Filing Date	June 10, 2005
				First Named Inventor	Wolfgang Clemens
				Group Art Unit	2811
				Examiner Name	Unassigned
Sheet	5	Of	5	Attorney Docket Number	411000.122
NON PATENT LITERATURE DOCUMENTS					

Examiner Initial*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BRABEC, C.J. et al, "Photoinduced FT-IR spectroscopy and CW-photocurrent measurements of conjugated polymers and fullerenes blended into a conventional polymer matrix", Solar Energy Materials and Solar Cells, 2000 Elsevier Science V.V., pages 19-33.	X
		BRABEC, C.J. et al., "Photovoltaic properties of a conjugated polymer/methanofullerene composites embedded in a polystyrene matrix", Journal of Applied Physics, Vol 85, No. 9, 1999, pages 6866 – 6872.	X
		GOSAIN, D.P., "Excimer laser crystallized poly-Si TFT's on plastic substrates", Second International Symposium on Laser Precision Microfabrication, May 16-18, 2001, Singapore, Vol. 4426, pages 394 – 400.	
		HARSANYI G. et al., "Polytronics for biogtronics: unique possibilities of polymers in biosensors and BioMEMS", IEEE Polytronic 2002 Conference, June 23, 2002, pages 211-215	
		KOEZUKA, H. et al., "Macromolecular Electronic Device", Mol. Cryst. Liq. Cryst. 1994, Vol. 2555, pp. 221-230	X
		LU, Wen et al., "Use of Ionic Liquids for π -Conjugated Polymer Electrochemical Devices", Science, Vol 297, 2002, pages 983 – 987/	X
		SHAHEEN, S.E., et al., "Low band-gap polymeric photovoltaic devices", Synthetic Metals, Vol 121, 2001, pages 1583-1584.	X
		TAKASHIMA, W. et al., Electroplasticity Memory Devices Using Conducting Polymers and Solid Polymer Electrolytes", Polymer International, Melbourne, 1992, pages 249 – 253.	
		VELU, G. et al. "Low Driving Voltages and Memory Effect in Organic Thin-Film Transistors With A Ferroelectric Gate Insulator", Applied Physics Letters, American Institute of Physics, New York, Vol. 79, No. 5, 2001, pages 659 – 661.	
		WANG, Hsing et al., "Conducting Polymer Blends: Polythiophene and Polypyrrole Blends with Polystyrene and Poly(bisphenol A carbonate)", Macromolecules, 1990, Vol 23, pages 1053 – 1059.	
		WANG, Yading et al., "Electrically Conductive Semiinterpenetrating Polymer Networks of Poly(3-octylthiophene)", Macromolecules 1992, Vol 25, pages 3284 – 3290.	X

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO:**

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

#263425 v3 - Master List II